



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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November 23, 1988

Mr. John Bootle
U.S. Pollution Control Inc.
8960 North Highway 40
Lake Point, Utah 84074

Dear Mr. Bootle:

Re: Finalization of Transfer of Notice of Intention, Utah Marblehead
Lime Mine, M/045/003 & M/045/024 Tooele County, Utah

Thank you for your patience regarding the delay in our preparing the disturbed area map and revised reclamation surety estimate for USPCI's Marblehead Mountain Processing Facilities Site. Although this work is typically prepared by the operator for review by the Division, unforeseen circumstances prevented a more expeditious response.

The Division has reevaluated the \$119,257 reclamation surety, originally calculated in 1983. Scott Johnson, Reclamation Engineer, prepared the new reclamation estimate based upon the disturbed area map and the structures which must be dismantled and removed (or buried) during final reclamation of the site. A copy of the digitized disturbed area map and the itemized reclamation cost estimate is attached for your reference. Please review the details of the reclamation estimate and advise us if the facilities list is inaccurate. The facilities list was generated from: an October 27, 1988, telephone discussion with Mr. Jack Minchey, Facilities Manager, the orthotopographic map provided by USPCI, and from pictures taken during onsite field inspections.

The revised surety amount reflects a minimal five-year bonding period. The new surety amount in 1988 dollars totals \$239,800. Escalating this amount for five years, at an average 2.3% rate, yields \$269,000 (1993 dollars). Our experience indicates that surety bonds can usually be adjusted by attaching a separate "rider" or addendum to the existing bond. Your surety company can advise you accordingly. You may also choose another form of surety if a bond is no longer your preferred option. Please advise us accordingly if you need information regarding other bonding options.

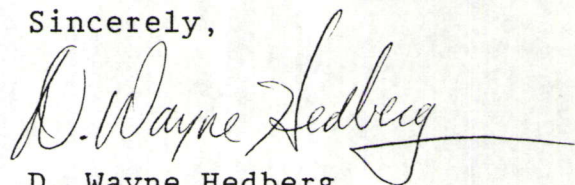
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Mr. John Bootle
M/045/024
November 23, 1988

Please note that the reclamation estimate does not include a cost for topsoil or mulch application. The need (if any) for these materials will be determined from the results of the new revegetation test plots to be re-implemented by Marblehead Lime Company at the processing plant site.

All of the remaining information required to complete the permit transfer process has been received by the Division. The reclamation surety is the only remaining issue to be resolved.

Upon receipt of the revised reclamation surety, the Division will finalize this permit transfer and request Board concurrence on the amount and form of the revised reclamation surety. Please contact me should you have any questions or concerns regarding the details of this letter.

Sincerely,

A handwritten signature in cursive script that reads "D. Wayne Hedberg". The signature is written in dark ink and includes a long, horizontal flourish extending to the right.

D. Wayne Hedberg
Reclamation Hydrologist

DWH/jb
Enclosures
cc: Phil Raines, Marblehead Lime Company
Lowell Braxton
Scott Johnson
3/37-38

U.S. POLLUTION CONTROL INCORPORATED
MARBLEHEAD MOUNTAIN PROCESSING PLANT SITE - M/045/024

Processing Facilities to be Reclaimed

<u># OF UNITS</u>	<u>DESCRIPTION OF FACILITY</u>
1	powder magazine
1	cap house
3	substations (@9 transformers)
3	crusher bldgs. (1st, 2nd, 3rd)
@2300 (ft)	conveyor belts & support structures (@12 primary & several shorter secondary belts)
1	truck scales
1	water well & small pump house
@3200 (ft)	rail trackage (2 tracks & 1 spur)
2	bag houses
2	rotary kilns
1	burner bldg.
1	office/warehouse/shop bldg.
1	conveyor junction bldg.
6	finished material bins
3	raw material bins
1	kiln bldg.
2	concrete reclaim tunnels
1	reject bin
@200 (T)	scrap steel (in storage)
1	water tank
1	power line & poles

USPCI Marblehead Mountain Plant Site

Reclamation Estimate M/045/024

Prepared by
Utah State Division of Oil, Gas and Mining
November 18, 1988

Description	Quantity	Unit	\$/Unit	Total Cost (\$)
Site Preparation				
Demolish and Bury Buildings	31,000	Square Feet	2.88	89,300
Remove Conveyor Structures	2,300	Linear Feet	3.50	8,100
Remove Railroad Tracks	3,200	Linear Feet	13	41,600
Remove Substations		Lump Sum		12,000
Remove Scrap and Trash		Lump Sum		8,000
Subtotal				159,000
Regrading				
Rip Roads	11,000	Linear Feet	0.80	8,800
Contour Disturbed Areas	65	Acres	545	35,400
Subtotal				44,200
Revegetation *				
Fertilizer	80	Acres	25	2,000
Seed Mix	80	Acres	114	9,100
Broadcast Seed and Fertilizer	80	Acres	24	1,900
Scarify Seed into Ground	80	Acres	23	1,800
Subtotal				14,800
=====				
Totals				218,000
Contingency (10%)				21,800
TOTAL RECLAMATION COST (1988 DOLLARS)				239,800
TOTAL RECLAMATION COST (1993 DOLLARS) @ 2.3% Annual Inflation				269,000

* Note: This estimate does not include the cost of
topsoil redistribution or mulch application.